

Report on the Plan for Review of the 2007 National Math Panel Findings

On March 13, 2008, the National Mathematics Advisory Panel (NMAP) presented its final report, *Foundations for Success: Report of the National Mathematics Advisory Panel* to the President of the United States and the Secretary of Education. Created in 2006 by an executive order of President Bush, the NMAP was charged to examine and summarize the scientific evidence related to the teaching and learning of mathematics, with a specific focus on preparation for and success in learning algebra. The NMAP also analyzed what must be developed in pre-K through grade 8 and identified a set of Critical Foundations and accompanying Benchmarks as essential prerequisites for algebra. Finally, the report identifies the major topics that constitute an “authentic” algebra program and recommends that states’ standards for the Algebra 1 and 2 courses include appropriate coverage of these major topics.

To ensure consistency with the NMAP report and the quality of the South Carolina Mathematics Academic Standards, the South Carolina Department of Education Department (SCDE) in collaboration with the Mathematics and Science Regional Centers, proposes to convene the South Carolina Mathematics Panel (SCMP), which will accomplish the following:

1. compare the grade level expectations for student learning in mathematics detailed in the national report with the state standards and indicators,
2. develop a draft report,
3. disseminate the information statewide,
4. gather input from the field,
5. write a final report concerning the findings, and
6. develop a professional development plan to strengthen the teaching of mathematics in South Carolina and thereby improve student achievement.

May and June, 2008

- Share the plan for the review of Report on the Plan for Review of the 2007 National Math Panel Findings with the Standards, Learning, and Accountability Committee of the State Board of Education (SBE); SBE; Academic Standards and Assessment Committee of the Education Oversight Committee (EOC); and the EOC.
- Appoint an outside facilitator and SCDE leadership team, including representatives from the Mathematics and Science Regional Centers, to
 1. review the NMAP report,
 2. study national perspectives on the NMAP report recommendations by reviewing expert analyses of the report and attending national meetings that provide related information sessions,

3. develop an overview of the NMAP report for distribution throughout the state, and
4. prepare and finalize the plan for stakeholder involvement in the review of the state math standards and focus areas of the NMAP report.

June 2008

Based on recommendations from professional organizations/groups (listed), college and universities, SBE, SCDE staff, and school districts the South Carolina Mathematics Panel (SCMP) will be formed but not limited to, the following representatives, to ensure that all stakeholders are included:

- 1 representative from by the South Carolina Leaders of Mathematics Education (SCLME) organization
- 1 representative from by the South Carolina Council of Teachers of Mathematics
- 2 representatives from higher education (one public college or university/one private college or university)
- 2 superintendents (South Carolina Associations of School Administrators, SCASA)
- 2 members of the Instructional Leaders Roundtable (SCASA)
- 2 district math supervisors
- 4 grades K–2 mathematics teachers
- 4 grades 3–5 mathematics teachers
- 4 grades 6–8 mathematics teachers
- 4 high school algebra teachers
- 1 elementary mathematics coach from the cadre of coaches participating in the Mathematics and Science Unit Coaching Initiative
- 1 middle school mathematics coach from the cadre of coaches participating in the South Carolina Coalition of Science and Mathematics iCoaching Initiative
- 2 math specialists from the Regional Mathematics and Science Centers (1 elementary/1 middle and high school)
- 2 coordinators from the Mathematics and Science Regional Centers
- 1 SCDE representative

- 1 SBE representative
- 1 EOC representative

July 2008

Convene the SCMP with the following charge:

- Write a preliminary report based on a comparison between the recommendations of the NMAP and the *South Carolina Academic Mathematics Standards 2007*.
- Plan and finalize schedule a series of regional and state meetings for the purposes of sharing the preliminary report and gathering input from the broader education constituency. Each Mathematics and Science Regional Center will host a meeting and sessions will be held at all state mathematics conferences.

August 2008

Share the preliminary report based on a comparison between the recommendations of the NMAP and the *South Carolina Academic Mathematics Standards 2007* with the SBE, senior SCDE staff, EOC, and State Mathematics Textbook Adoption Panel.

September—November 2008

Conduct regional sessions about the NMAP report and its comparison with the South Carolina mathematics standards, processes, and professional development opportunities.

- The sessions will build awareness of the NMAP report and its implications for South Carolina and elicit input from the attendees.
- At a minimum, sessions will be held in each of the regions represented by the Mathematics and Science Regional Centers and at the following state meetings and conferences: SC Algebra Project (June 9–13, 16–20, 2008); SC Council of Teachers of Mathematics (October 30–31, 2008); and SC Leaders in Mathematics Education (November 13–14, 2008).

December 2008

Write a final report including recommendations for presentation to the SBE and EOC.